

ABSTRACT

A method of controlling transmission power in a mobile radio system in which a power control algorithm controls transmission power as a function of a transmission quality target value, wherein: a target value ~~variation~~ is ~~applied~~ varied to compensate the effects of a compressed transmission mode in which transmission is interrupted during transmission gaps and the bit rate is increased correspondingly to compensate the transmission gaps; ~~The~~ said target value variation includes a first component for compensating the effects of ~~said~~ the increase in bit rate and a second component for compensating other effects of transmission gaps; ~~A~~ a corresponding anticipated variation of the transmission power is applied, and ~~said~~ the anticipated variation of the transmission power corresponds to an approximate value of ~~said~~ the target value variation obtained by a process of approximation from ~~said~~ the second component.